

# SIP Simplified

August 2010

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# SIP Simplified

- Session Initiation Protocol
- Core of SIP specifications is documented in IETF RFC 3261
  - Many other drafts extend SIP and add new features
- Text based, very similar to HTTP, mail protocols
- Establishes a media session between endpoints
- Allows mobility – locate users using a SIP URI  
(sip:danderson@e1b.org)
  - Multiple endpoints can be associated with single SIP URI
- Usually runs on port 5060, using UDP or TCP
- Allows for IPv4 and IPv6 (Next generation mobile phones use SIP over TCP/IPv6)



# SIP Simplified

- SIP is a peer-to-peer, multimedia signaling protocol that integrates with other Internet services, such as e-mail, Web, voice mail, instant messaging, multiparty conferencing, and multimedia collaboration. When used with an IP infrastructure, SIP helps to enable rich communications with numerous multivendor devices and media.



# SIP Simplified

- SIP can set up individual voice or conference calls, videoconferences and point-to-point video-enabled calls, Web collaboration and chat sessions, or instant messaging sessions between any number of SIP enabled endpoints, including IP phones, PCs, laptops, personal digital assistants (PDAs), and cell phones.



# SIP Simplified

- Participants could be using end devices from any number of different vendors, and if the devices supported the necessary SIP applications with sufficient attention paid to implementation, the rich-media conference call would work perfectly.
- WNYRIC is in Beta trials with components that will act as Gateways/SIP translators to integrate different SIP vendors
- Avaya/Nortel ACE provides a common open platform for application integration and development



# SIP Simplified

- Sessions are no longer limited to voice
- Allows us to shift from Voice only to Voice, Video, IM, Presence, and Applications
- Allows us to be as reachable as we desire to be





# SIP Simplified

- IBM SameTime “Presence” Components
- Integration with e-mail to provide unified communications and real-time collaboration platform.
  - Audio and video conference platform
  - Desktop collaboration
  - IM capability for immediate collaboration with a purpose
  - Interconnect with other 3<sup>rd</sup> party voice platforms



# SIP Simplified

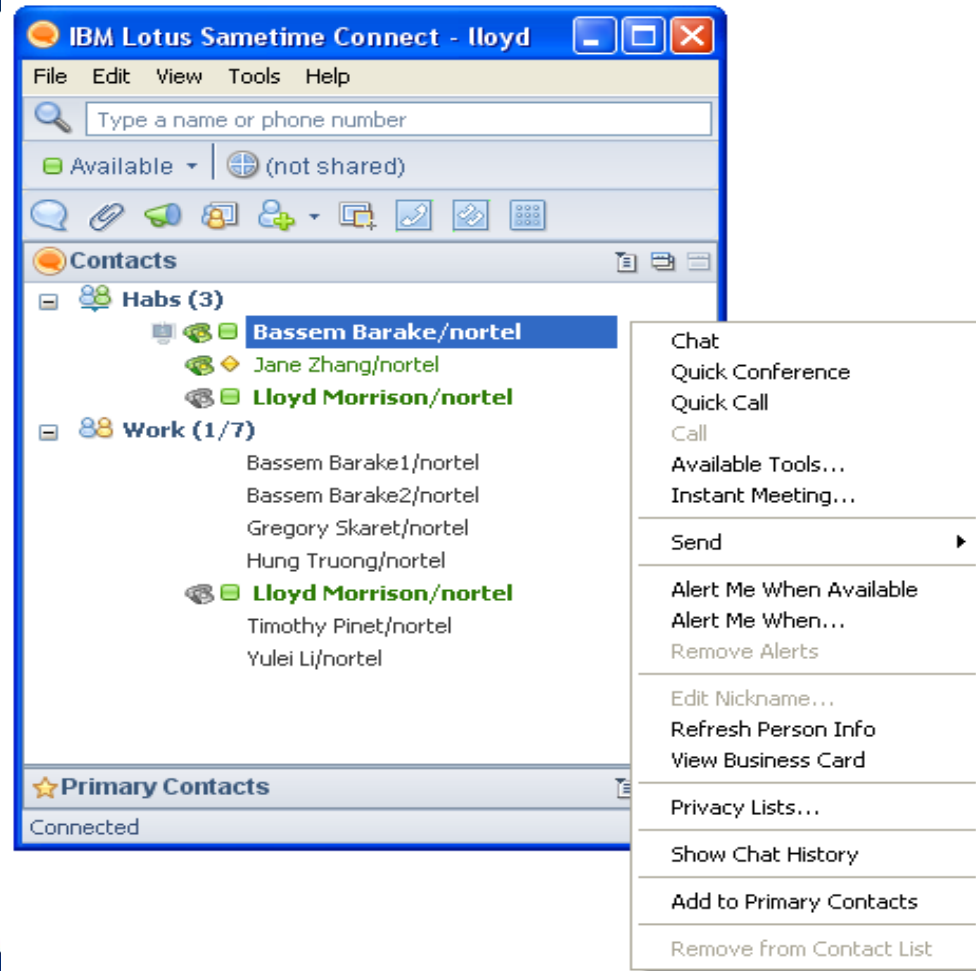
- Unified Telephony – Cisco or Nortel/Avaya
- Enable your desktop communications
- IBM Sametime = Presence
- Phone + Desktop + Video
- Easily add video or other communication devices- Tandberg or Polycom





# SLP Simplified

- Launch from SameTime:
  - Quick Conference
  - Chat
  - Quick Call
- After starting a conference you can Drag and Drop participants into conference window
- Easily add video or other communication devices-Tandberg or Polycom



# SIP Simplified

Home - IBM Lotus Notes

File Edit View Create Actions Text Tools Window Help

Home x Jill Holbrook - Calendar x

Default Sans Serif 10

Click here for Home Page options

Save Cancel Current background:

Erie 1 BOC

Welcome Administration Division Calendars Department

//MyErie1  
Employee Access

User Support Center

Mail  
New Memo

Erie 1 Staff Directory

Custodial Work Order Center

E-mail Archive

Voice Mail

Call with Richard Lydo [started: 4:27:44 PM]

File View Actions Help

Richard Lydo  
Connected

End Call

06/23/10

Day-At-A-Glance

Sametime Contacts

Available ACE

Type a name or phone number

Associate Directors (4/4)

- Barbara Mocarski
- Carol Barber
- Richard Lydo
- Rosanne Huffcutt

E1B Staff (47)

E1B Technology Services (38)

Feeds

My Widgets

Online

4:28 PM 7/14/2010

wnyric

# SIP Simplified

- SIP Trunking – The next step. Our next step is to investigate where and how SIP Trunking fits into the WNYRIC VoIP systems. This is the future of reducing costs on our shared system. Costs are coming down and we are investigating how and when this fits.



# SIP Simplified

## Questions?

